


## Product datasheet

# Anti-Synaptotagmin VII antibody ab106618

[1 References](#) [1 Image](#)

### Overview

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<b>Product name</b>	Anti-Synaptotagmin VII antibody
<b>Description</b>	Rabbit polyclonal to Synaptotagmin VII
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat <b>Predicted to work with:</b> Rabbit, Human, Chimpanzee, Macaque monkey, Gorilla, Orangutan 
<b>Immunogen</b>	Synthetic peptide corresponding to Human Synaptotagmin VII aa 50-150 conjugated to keyhole limpet haemocyanin. (Peptide available as <a href="#">ab154624</a> )
<b>Positive control</b>	WB: Mouse and Rat Brain tissue lysates
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

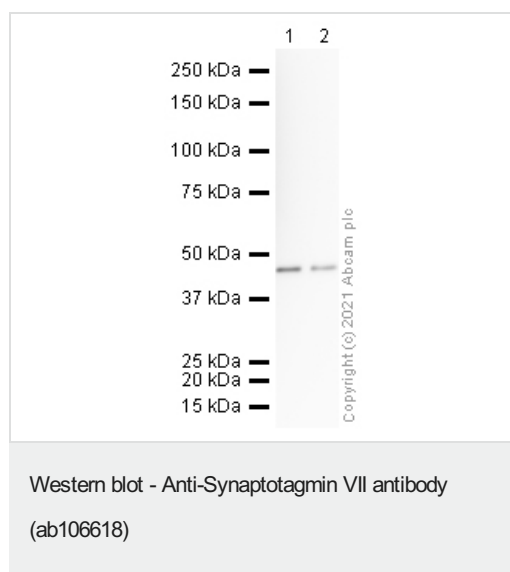
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab106618 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>WB</b>		Use a concentration of 1 µg/ml. Detects a band of approximately 45 kDa (predicted molecular weight: 45 kDa). Abcam recommends using milk as the blocking agent - 3%.

## Target

<b>Function</b>	May be involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain or may serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis.
<b>Tissue specificity</b>	Expressed in a variety of adult and fetal tissues.
<b>Sequence similarities</b>	Belongs to the synaptotagmin family. Contains 2 C2 domains.
<b>Domain</b>	The second C2 domain/C2B is responsible for SYNCRIP binding.
<b>Cellular localization</b>	Cytoplasmic vesicle > secretory vesicle > synaptic vesicle membrane.

## Images



**All lanes** : Anti-Synaptotagmin VII antibody (ab106618) at 1 µg/ml

**Lane 1** : Mouse Brain Tissue lysate

**Lane 2** : Rat Brain Tissue lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes** : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/50000 dilution

**Predicted band size:** 45 kDa

**Observed band size:** 45 kDa

**Exposure time:** 8 minutes

Blocking buffer: 3% Milk

Gel type: MOPS

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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